

CLAIMS:

1. A component placement device (1) which is provided with at least two component pick and place units (13) which are connected to a movable frame (2), and at least two component feeding devices (7), which component placement device (1) is suitable for simultaneously picking up by means of the component pick and place units (13) components supplied by the component feeding devices (7), characterized in that at least one component pick and place unit (13) can be moved relative to the frame (2), while the mutual positions of the component pick and place units (13) can be adjusted.
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2. A component placement device (1) according to claim 1, characterized in that each component pick and place unit (13) can be moved relative to the frame (2).
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3. A component placement device (1) according to any one of the preceding claims, characterized in that a component pick and place unit (13) can be moved relative to another component pick and place unit (13) in a first direction, while the components which are to be supplied by means of the component feeding devices (7) can be moved relative to one another in a second direction which extends transversely to the first direction.
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4. A method for picking up components by means of a component placement device (1), which device (1) is provided with at least two component pick and place units (13) which are connected to a movable frame (2), and at least two component feeding devices (7), which component placement device (1) is suitable for simultaneously picking up by means of the component pick and place units (13) components supplied by means of the component feeding devices (7), characterized in that the components and the component pick and place units (13) are set relative to one another prior to the simultaneous picking up of the components.
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5. A method according to claim 4, characterized in that at least one component pick and place unit (13) is moved relative to the frame (2) so that the mutual positions of the component pick and place units (13) are adjusted.
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6. A method according to claim 4 or 5, characterized in that the positions of the components to be picked up from the component feeding devices (7) are detected by a camera, after which the mutual positions of the component pick and place units (13) are adjusted on the basis of the mutual positions of the components to be picked up, after which the components are picked up simultaneously in the desired fashion by means of the component pick and place units (13).

7. A method according to claim 4, 5 or 6, characterized in that the positions of components picked up by the component pick and place units (13) are determined relative to the component pick and place units (13), whereby deviations between the desired positions and the positions actually found of the components relative to the component pick and place units (13) are determined after which, based on the deviations, the component pick and place units (13) are moved relative to one another prior to the picking up of subsequent components.

8. A method according to any one of the claims 4 to 7, characterized in that the pick and place units (13) are moved relative to one another in a first direction while by means of the component feeding devices (7) the components to be picked up are moved relative to one another in a second direction which extends transversely to the first direction.